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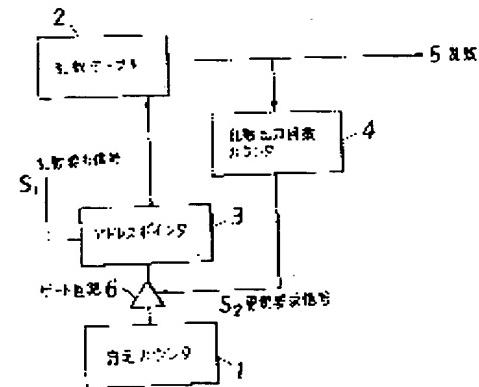
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(54) RANDOM NUMBER GENERATOR

(57)Abstract:

PURPOSE: To prevent the same random number from being set by using the same random number string for plural systems by referring to a random number table setting the output value of a self-advancing counter as an address pointer substitution value corresponding to the update request signal of an address pointer.

CONSTITUTION: A random number 5 is generated from the random number table 12 by supplying an address value from the address pointer 3 corresponding to a random number request signal S, and an address is incremented sequentially, and when it exceeds the address value in the address table 2, it is returned to an initial value. Meanwhile, when the update request signal S is outputted from a random number output number counter 4, a gate circuit 6 is opened, and the count value of the self-advancing counter 1 becomes a substitution address pointer, then, the table 2 is referred. By constituting a device in such way, it is possible to generate random number strings different for the plural systems as preventing the capacity of the random number table from being increased by using the same random number string.



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